

DERWENT ABSTRACT FOR: JP 04-028739 (Mitsubishi), published 31 Jan 1992:

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TITLE: Thermoplastic resin compsn. prepn. - by blending polyolefin resin, polyphenylene ether resin and polymer having alkenyl aromatic and aliphatic hydrocarbon polymer chain.

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PATENT ASSIGNEE(S): (MITP) MITSUBISHI PETROCHEMICAL CO LTD; (TOYT) TOYOTA JIDOSHA KK

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PATENT INFORMATION:

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APPLICATION DETAILS:

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Compsn. is prepd. by blending component (B) and 20% or more of component (C) to obtain a compsn. (I), and then blending (I) with component (A) and the remaining (C). (A) is polyolefin resin 30-78 wt.%, (B) is polyphenylene-ether resin 20-68 wt.% and (C) is 2-50 wt.% polymer having both alkenyl aromatic cpd. polymer chain (C1) and aliphatic hydrocarbon polymer chain (C2) per molecule and dynamic shearing modulus at 23 deg.C of 3×10 power 8 dyne/cm² or higher.

(A) is isostatic polypropylene. (C) is partially hydrogenated alkenyl cpd.-conjugated diene block copolymer such as hydrogenated styrene-butadiene triblock copolymer.

ADVANTAGE - Compsn. has good mechanical properties, esp. a good balance between impact strength and rigidity.

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